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PTO/SB/21 (09-04)

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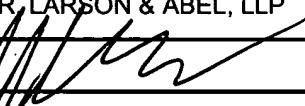
Total Number of Pages in This Submission

Application Number	10/668,610
Filing Date	September 23, 2003
First Named Inventor	Jennifer Stone-Sundberg
Art Unit	1775
Examiner Name	Stephen J. Stein
Total Number of Pages in This Submission	8
Attorney Docket Number	1035-BI4281

ENCLOSURES (Check all that apply)

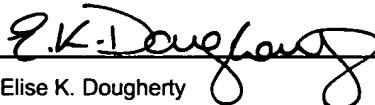
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	TOLER, LARSON & ABEL, LLP		
Signature			
Printed name	Jeffrey S. Abel		
Date	3/28/05	Reg. No.	36,079

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jennifer Stone-Sundberg, et al.

Title: SPINEL BOULES, WAFERS, AND METHODS FOR FABRICATING
SAME

Application No.: 10/668,610 Filed: September 23, 2003

Examiner: Stephen J. Stein Group Art Unit: 1775

Atty. Docket No.: 1035-BI4281

COMMISSIONER FOR PATENTS
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

- Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
 Other: n/a

to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

1. an admission that the information necessarily is, or corresponds to, prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described below; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that

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Elise K. Dougherty
Typed or Printed Name


Signature

indicates the degree of relevance found by the foreign office.

STATEMENT UNDER 37 C.F.R. § 1.704(d)

If the above-identified application is an original application filed on or after May 29, 2000:

- each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.

FEES DUE

This Information Disclosure Statement is being filed:

- within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
- before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.
- during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.
- during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.
- during the period specified in § 1.97(d). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal. Additionally, each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.

Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account 50-2469.

Date

3/28/05

Respectfully submitted,

Jeffrey S. Abel, Reg. No. 36,079

Attorney for Applicant(s)

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LIST OF RELATED APPLICATIONS

<u>Application No.</u>	<u>Filing Date</u>	<u>Applicant(s)</u>	<u>Docket No.</u>
10/802,160	03/17/04	Stone-Sundberg, et al.	1075-BI4309

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 1 of 3

Application Number	10/668,610
Filing Date	September 23, 2003
First Named Inventor	Jennifer Stone-Sundberg
Art Unit	1775
Examiner Name	Stephen J. Stein
Attorney Docket Number	1035-BI4281

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
AA	US- 3,625,868		12/07/1971	Grabmaier et al.	
AB	US- 3,736,158		05/29/1973	Cullen et al.	
AC	US- 3,816,906		06/18/1974	Falckenberg	
AD	US- 3,883,313		05/13/1975	Cullen et al.	
AE	US- 3,885,978		05/27/1975	Doi et al.	
AF	US- 3,990,902		11/09/1976	Nishizawa, et al.	
AG	US- 3,950,504		04/13/1976	Belding et al.	
AH	US- 4,370,739		01/25/1983	Wang et al.	
AI	US- 4,755,314		07/05/1988	Sakaguchi et al.	
AJ	US- 5,138,298		08/11/1992	Shino	
AK	US- 5,850,410		12/15/1998	Kuramata	
AL	US- 6,533,874 B1		03/18/2003	Vaudo et al.	
AM	US- 2003/0188678 A1		10/09/2003	Kokta et al.	
AN	US- 6,839,362 B2		01/05/2005	Kokta et al.	
AO	US- 6,844,084 B2		01/18/2005	Kokta et al.	
AP	US- 3,424,955		01/28/1969	Seiter et al.	
AQ	US-				
AR	US-				
AS	US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
AT	FR 1,471,976		03/24/1966	Siemens Aktiengesellsc.	Corr. 3,424,955	
AU	JP 11-157997		06/15/1999	Kyocera Corporation	Abstract Only	
AV	JP 09-278595		10/28/1997	Sumitomo Elect. Ind. Ltd.	Abstract Only	
AW	JP 62-188325		08/17/1987	Sumitomo Elect. Ind. Ltd.	Abstract Only	
AX	JP 58-211736		12/09/1983	Toshiba Corporation	Abstract Only	
AY	JP 07-307316		11/21/1995	Sumitomo Elect. Ind. Ltd.	Abstract Only	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

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Complete if Known

Application Number	10/668,610
Filing Date	September 23, 2003
First Named Inventor	Jennifer Stone-Sundberg
Art Unit	1775
Examiner Name	Stephen J. Stein

Attorney Docket Number 1035-BI4281

U. S. PATENT DOCUMENTS

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BA	US-				
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BD	US-				
BE	US-				
BF	US-				
BG	US-				
BH	US-				
BI	US-				
BJ	US-				
BK	US-				
BL	US-				
BM	US-				
BN	US-				
BO	US-				
BP	US-				
BQ	US-				
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BS	US-				

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
BT	EP 0 762 930 B1		07/12/2000	BP Amoco Corporation		
BU	EP 0 263 171 B1		11/25/1992	UOP		
BV	WO 01/99155 A2		12/27/2001	Nichia Corporation		
BW	WO 02/95887 A2		11/28/2002	SG Ceramics & Plastics Inc.		
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Art Unit	1775
Examiner Name	Stephen J. Stein

Sheet

3

of

3

Attorney Docket Number

1035-BI4281

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Giess et al., "Growth of Single Crystal MgGa ₂ O ₄ Spinel", IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 15, no. 1, June 1972, pgs 151-152, XP-002315746.	
	CB	Anon., "Spinel Crystals for Electronic Devices", MANUFACTURING TECHNOLOGY NOTE, Vol. NTN-77, no. 0735, April 1977, XP-002315747.	
	CC	Grabmaier et al., "Czochralski Growth of Magnesium-Aluminum Spinel", J. AMERICAN CERAMIC SOCIETY, Vol. 51, no. 6, June 1968, pgs 355-356, XP-002315185.	
	CD	Wyon et al., "Czochralski Growth and Optical Properties of Magnesium-Aluminum Spinel Doped with Nickel", JOURNAL OF CRYSTAL GROWTH, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, Vol. 79, no. 1-3, part 2, 1986, pgs 710-713, XP-002250057.	
	CE	Pinckney, L.R., "Transparent, high strai point spinel glass-ceramics", JOURNAL OF NON-CRYSTALLINE SOLIDS, Vol. 255, pp. 171-177, 1999.	
	CF	Nakamura, S. "Current Status and Furture Prospects of InGaN-Based Laser Diodes", ISAP INTERNATIONAL, Vol. 1, pgs. 5-17, 2000.	
	CG	Kisailus D., et al., "Growth of Epitaxial GaN on LiGaO ₂ Substrates Via a Reaction With Ammonia", J. MATER. RES., Vol. 16, no. 7, pgs 2077-2081, 2001.	
	CH	Nakamura, S., et al., "InGaN MQW LDs Grown on MgAl ₂ O ₄ Substrates," In THE BLUE LASER DIODE, (NY: Springer-Verlag), pp. 233-243, 1997 (update included).	
	CI	Mordoc, H., et al., "Large-band-gap SiC, III-V nitride, and II-vi ZnSe-based Semiconductor Device Technologies", J. APPL. PHYS., Vol. 76, no. 3, pgs 1363-1398, 1994.	
	CJ		

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